PLANS FOR THE CONSTRUCTION

OF

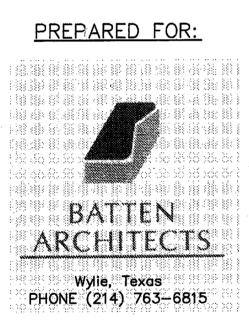
PAVING, WATER, WASTE WATER & DRAINAGE FACILITIES

FOR

THE NJ MALIN EXPANSION

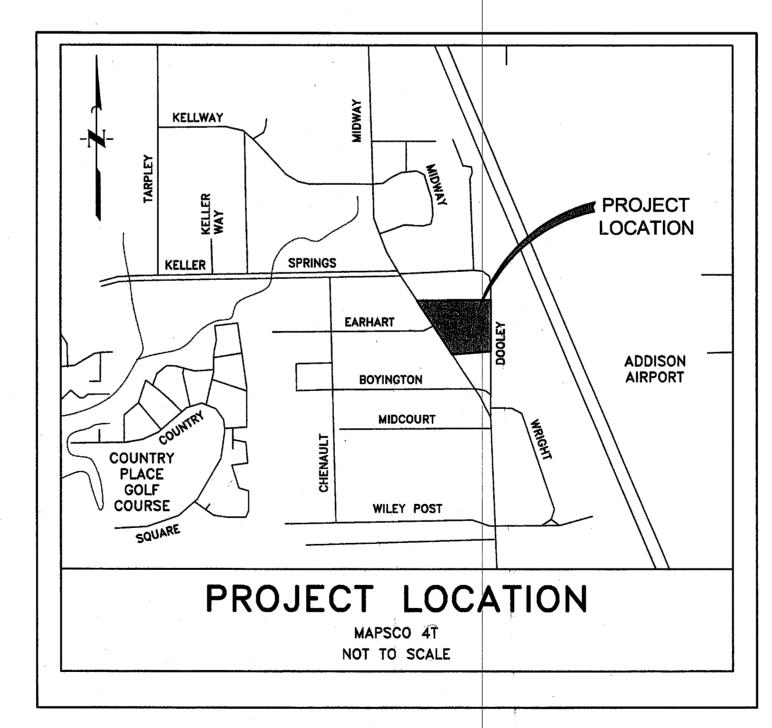
ADDISON, TEXAS

JAN, 2008 PW #2008-01



OWNER/DEVELOPER:





PREPARED BY:



TRC ENGINEERS, INC.
6115 Camp Bowie Blvd., Suite 200, Fort Worth, Texas 76116-5500
PHONE (817) 335-5065 • FAX (817) 335-5067

SHEET INDEX

SHEET No.

C-1 COVER SHEET
C-2 DEMOLITION PLAN

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C-4 GRADING & DRAINAGE PLAN

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C-6 UTILITY PLAN

C-7 EROSION CONTROL PLAN
C-8 EROSION CONTROL DETAILS

C-9 PAVING & MISCELLANEOUS DETAILS

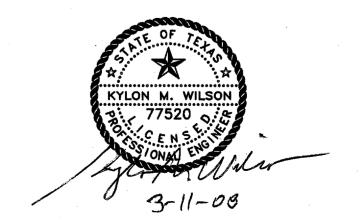
APPROVED FOR CONSTRUCTION

Town of Addison
Public Works Department

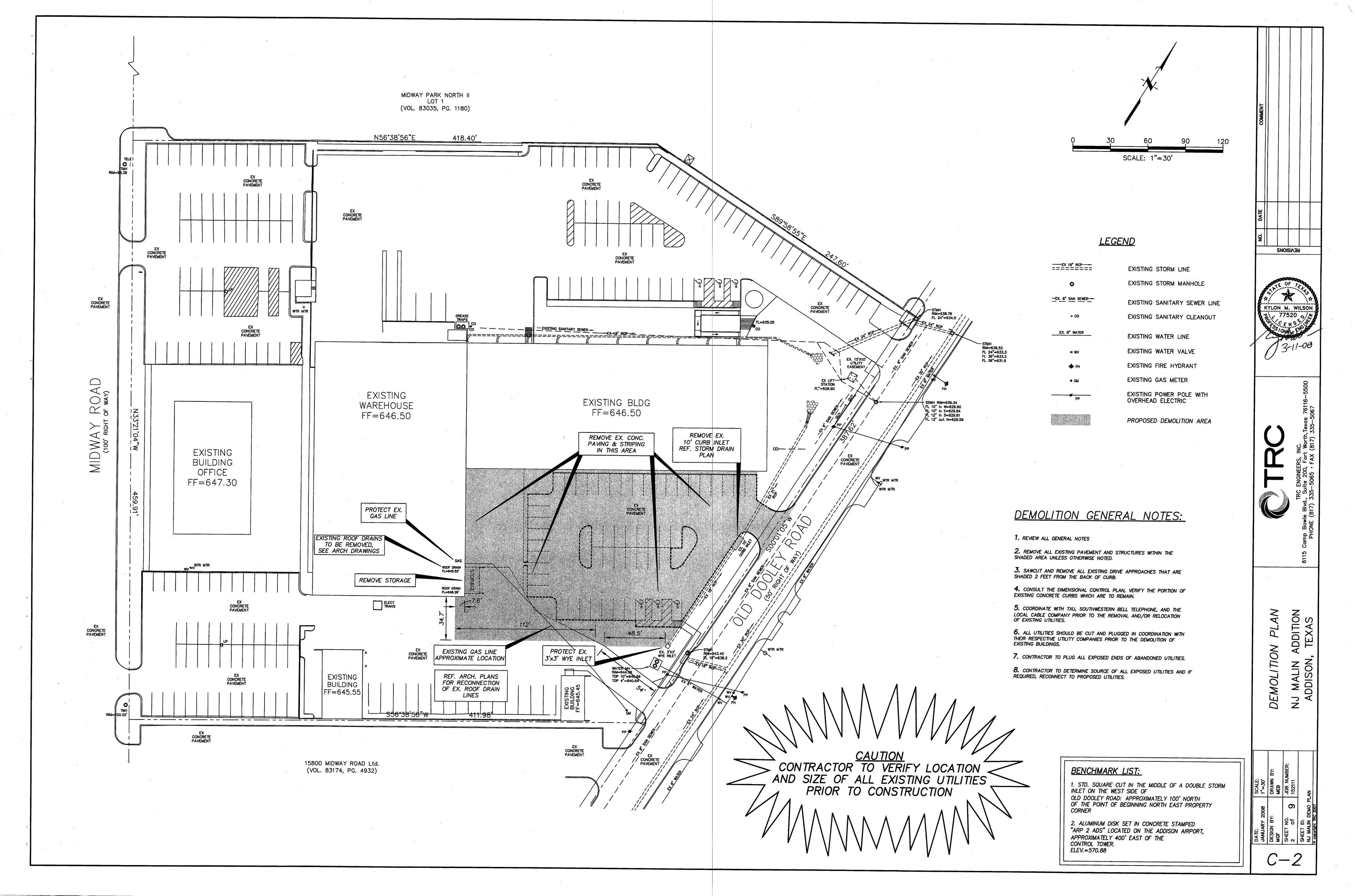
APPROVED BY: CLAY BASISET

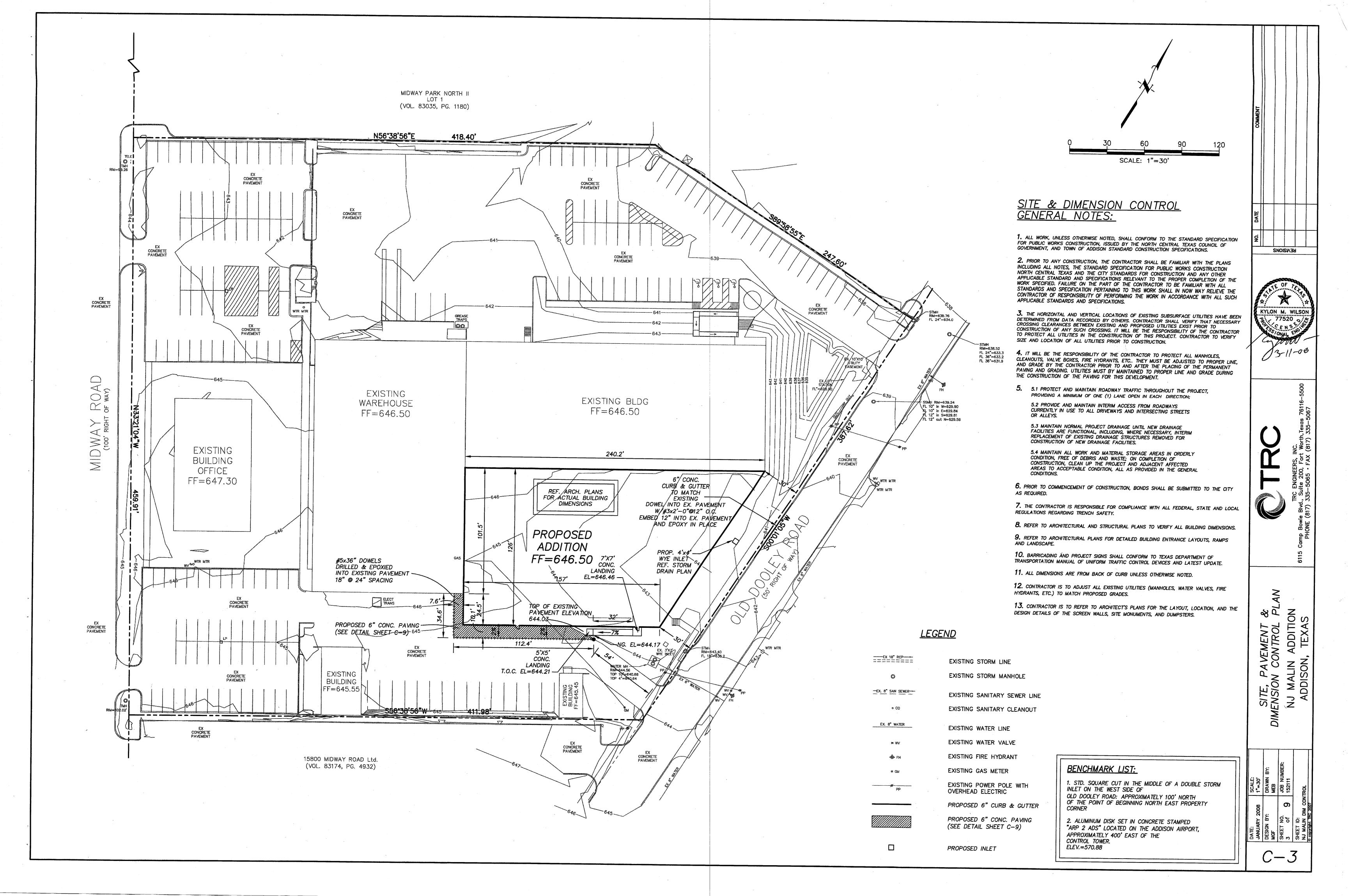
DATE: 3-14-08

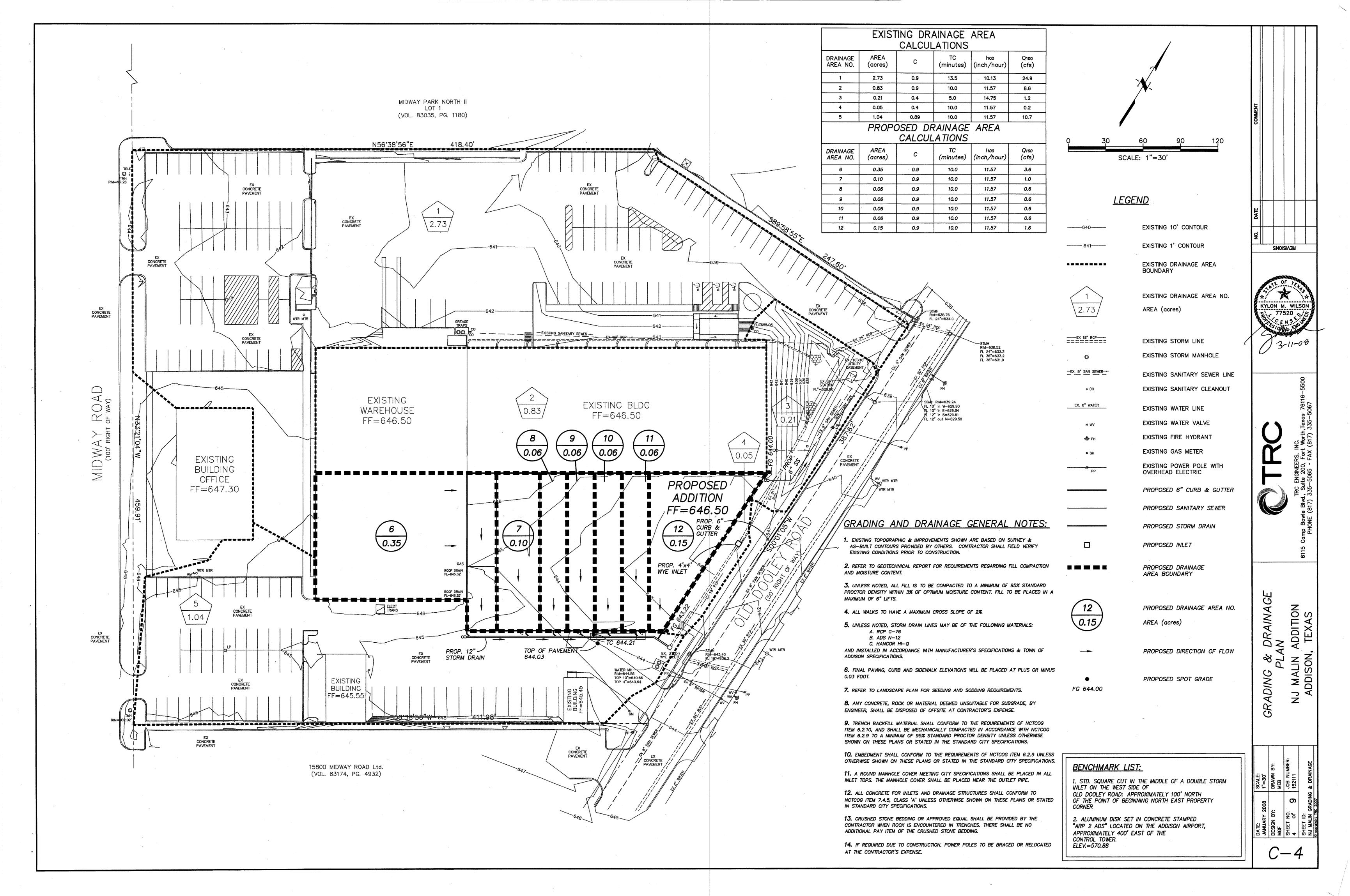
All responsibility for the adequacy of these plans remains with the Engineer who prepared them. In approving these plans, the Town of Addison makes no representation of adequacy of the work of the Design Engineer.

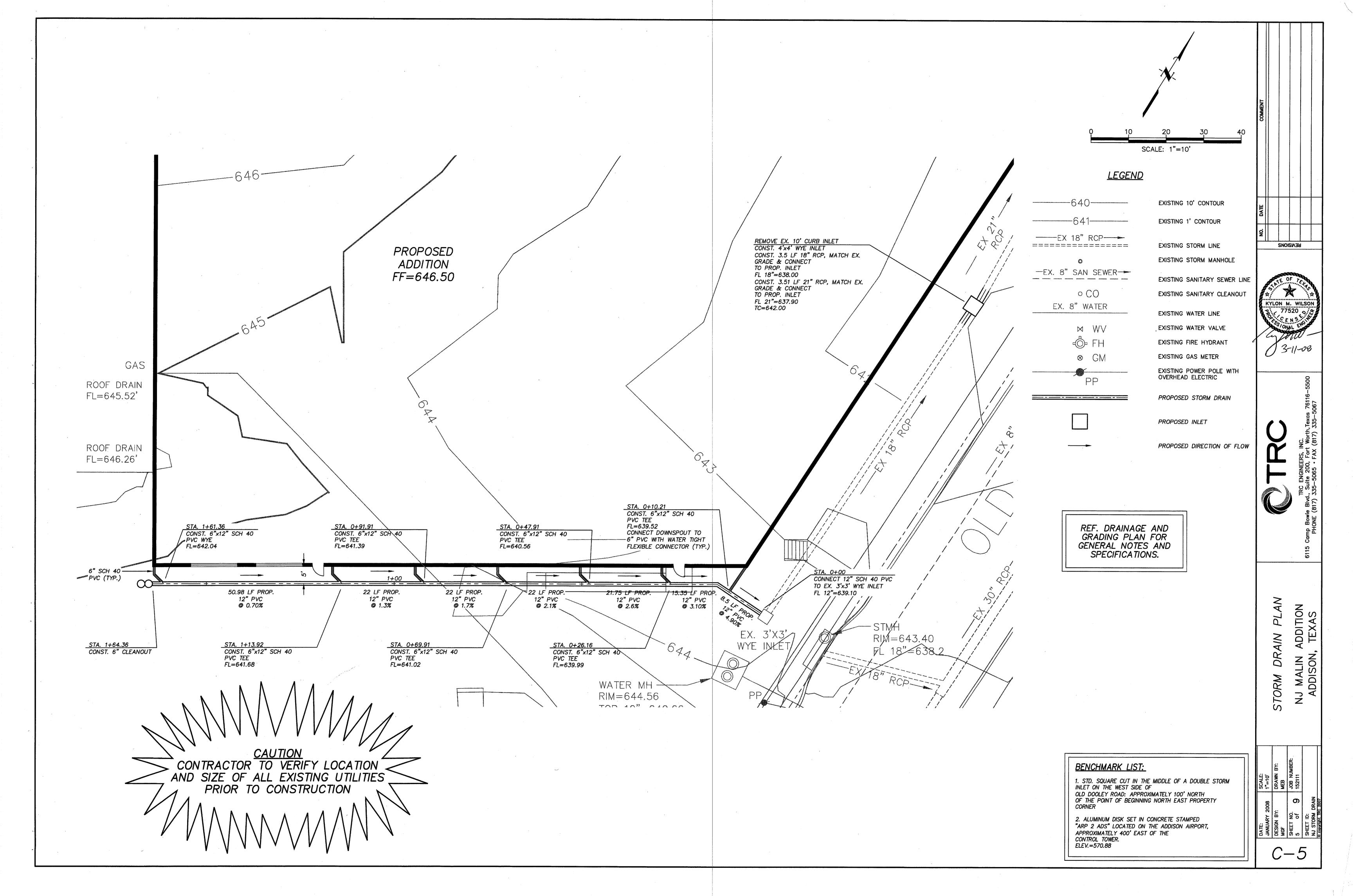


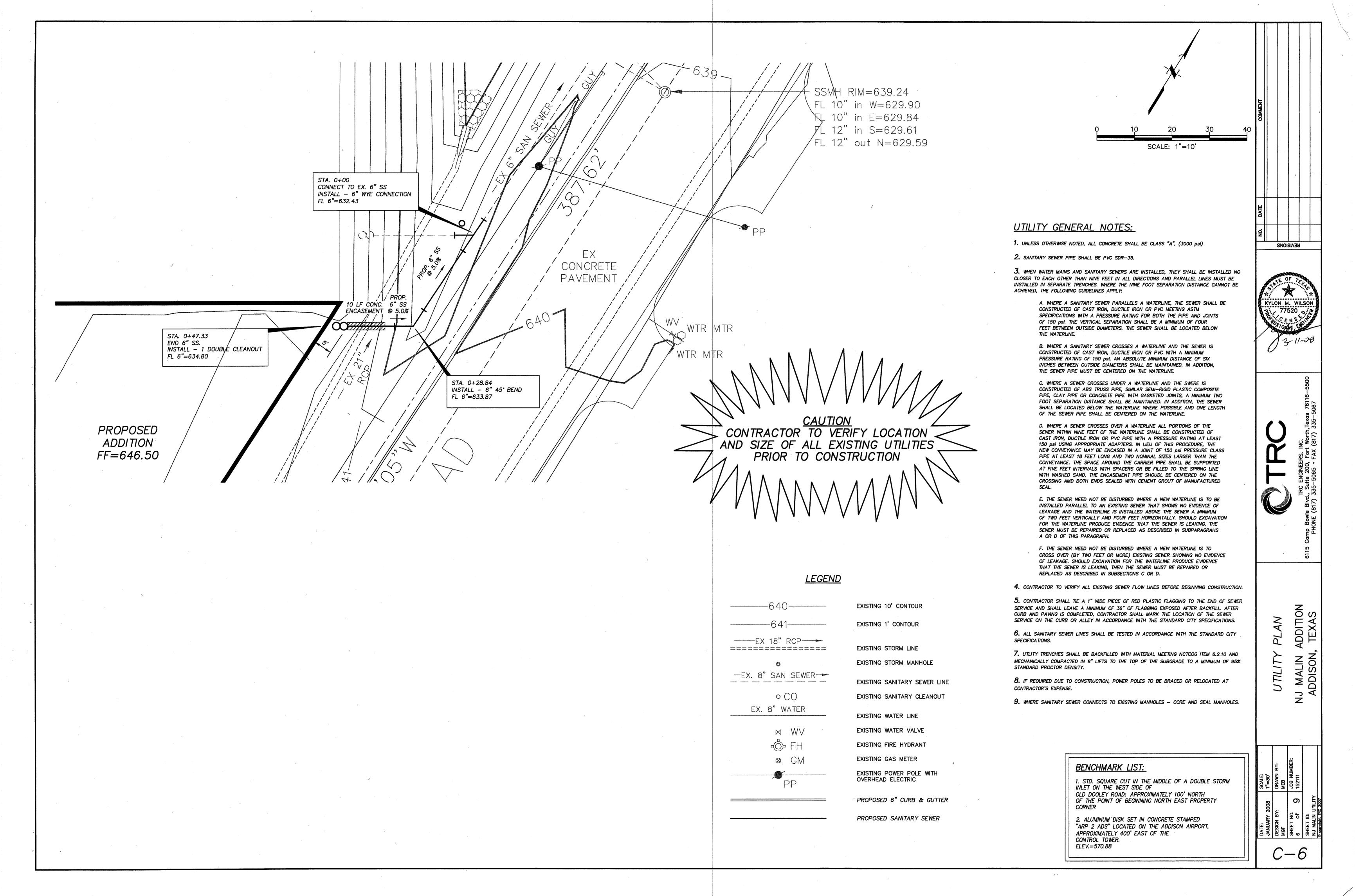
PROJECT MANAGER: KYLON WILSON, P.E.

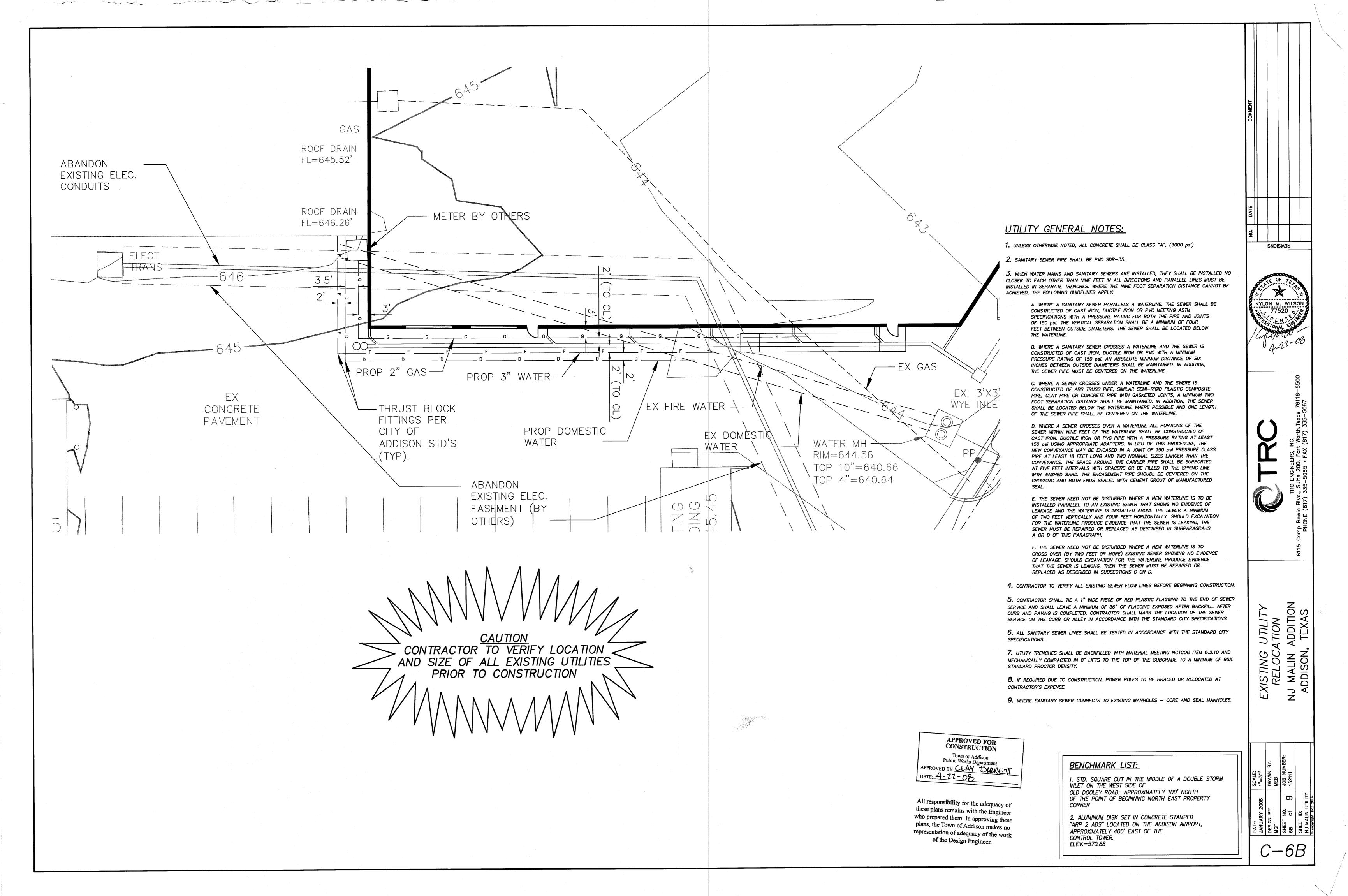


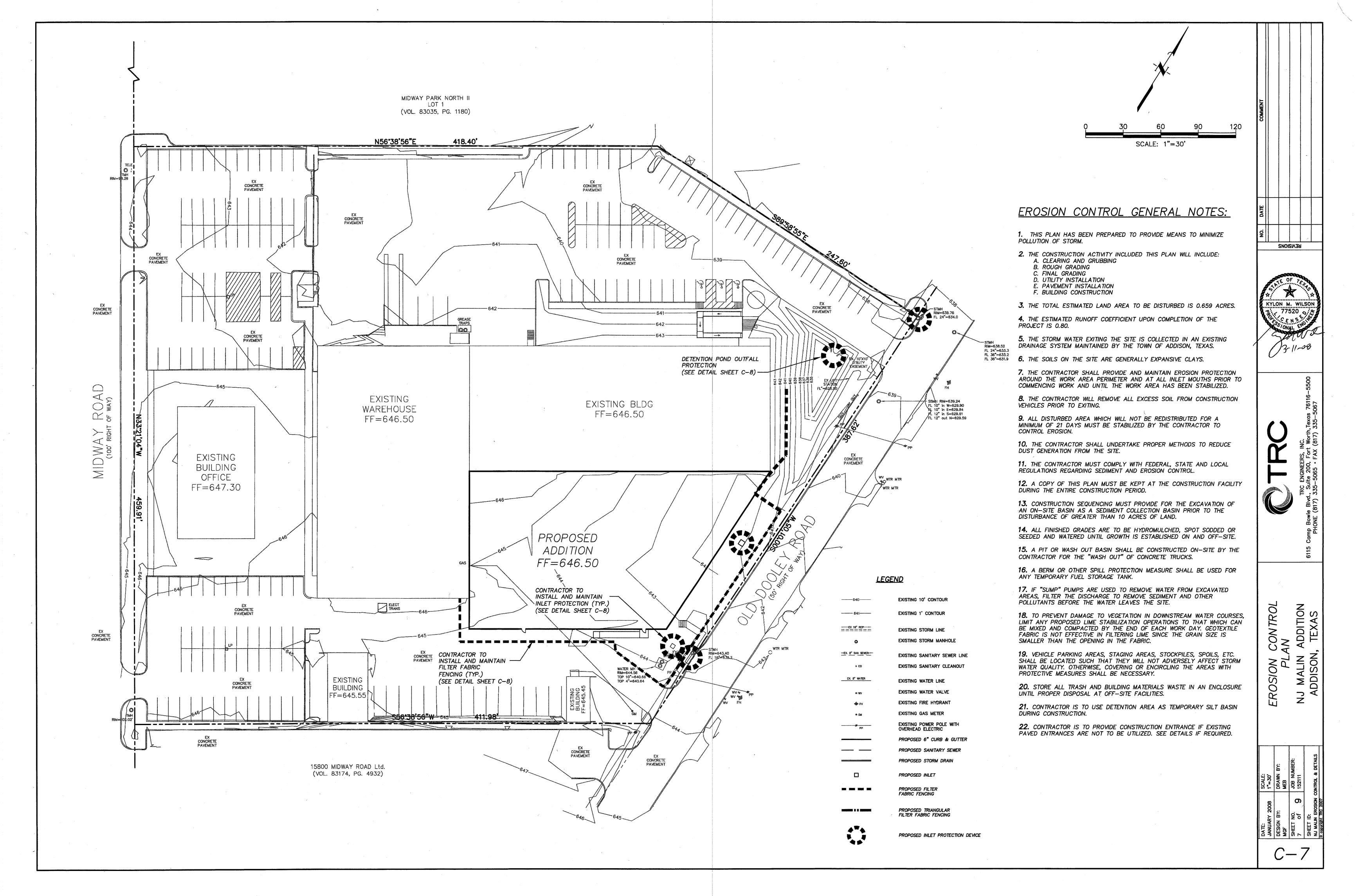


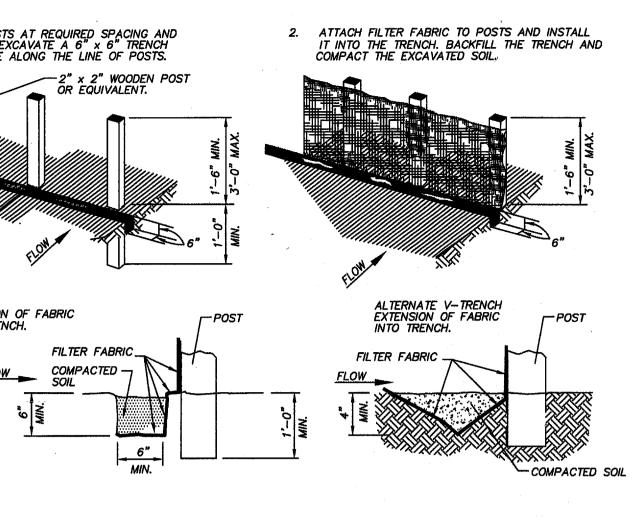


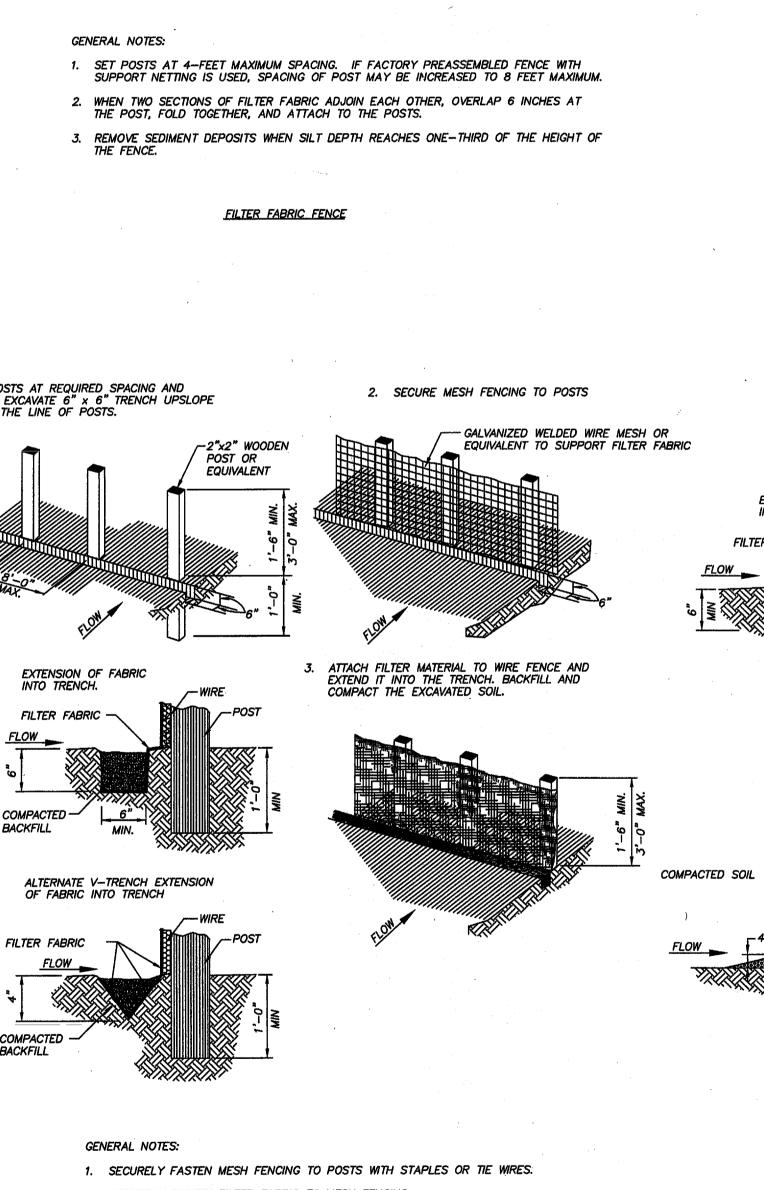








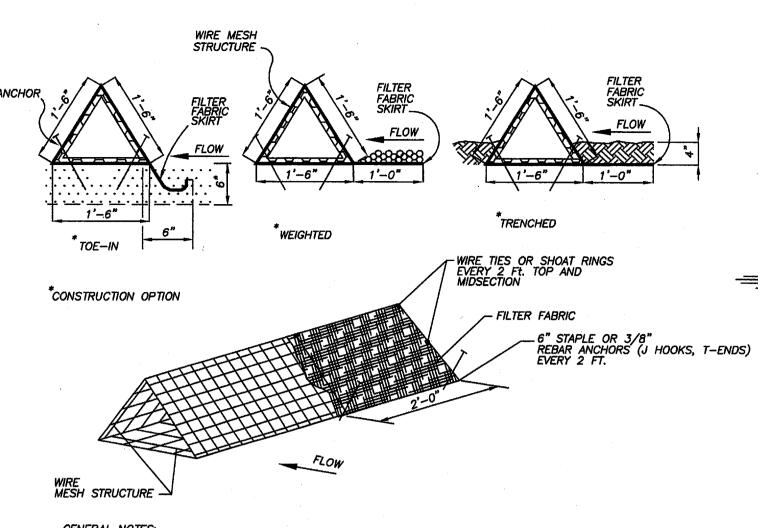




- 2. SECURELY FASTEN FILTER FABRIC TO MESH FENCING.
- 3. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER, OVERLAP 6 INCHES AT A POST, FOLD TOGETHER, AND ATTACH TO A POST.
- 4. REMOVE SEDIMENT DEPOSITS WHEN SILT REACHES ONE-THIRD OF THE HEIGHT OF THE FENCE IN DEPTH.

REINFORCED

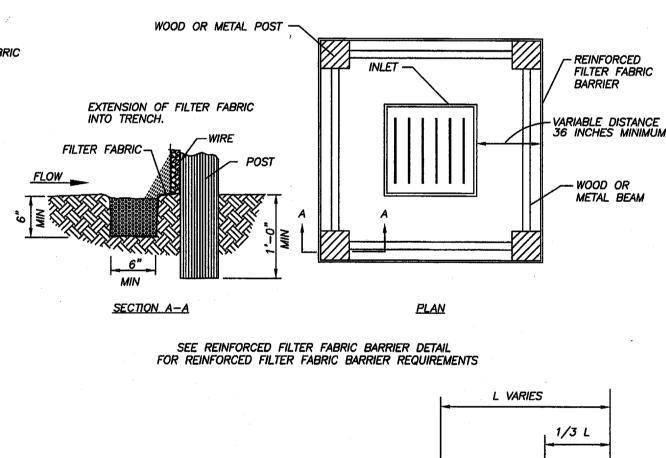
FILTER FABRIC BARRIER

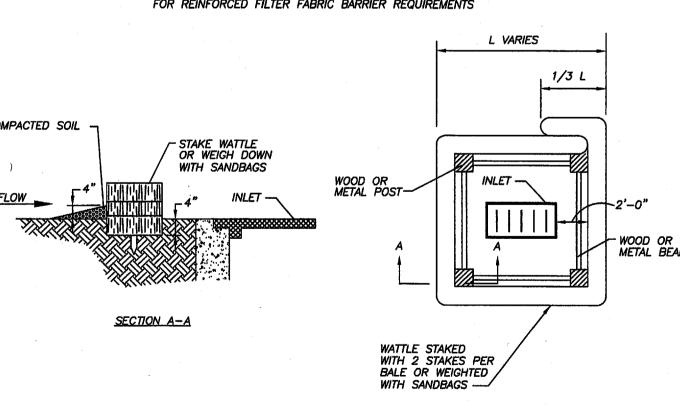


GENERAL NOTES:

- 1. PLACE BARRIER IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BARRIER.
- 2. USING ONE CONTINUOUS SECTION OF FILTER FABRIC, WRAP FABRIC AROUND WIRE MESH AND EXTEND FABRIC TO FORM SKIRT ON THE UPSTREAM SIDE.
- 3. WEIGHT SKIRT WITH A CONTINUOUS LAYER OF 3-INCH TO 5-INCH OPEN GRADED ROCK, OR TOE IN SKIRT WITH SIX INCHES WITH MECHANICALLY COMPACTED MATERIAL.
- 4. SECURELY ANCHOR BARRIER AND SKIRT IN PLACE USING 6-INCH WIRE STAPLES ON 2-FOOT CENTERS ON BOTH EDGES, OR STAKE USING 18-INCH BY 3/8 INCH REBARS
- 5. FILTER FABRIC SHALL BE LAPPED OVER ENDS 6 INCHES TO COVER SEGMENT JOINTS. FASTEN JOINTS WITH GALVANIZED SHOAT RINGS OR EQUIVALENT.
- 6. THE BARRIER STRUCTURE SHALL BE WELDED WIRE MESH, 18 INCHES ON EACH SIDE.

FILTER FABRIC FENCE

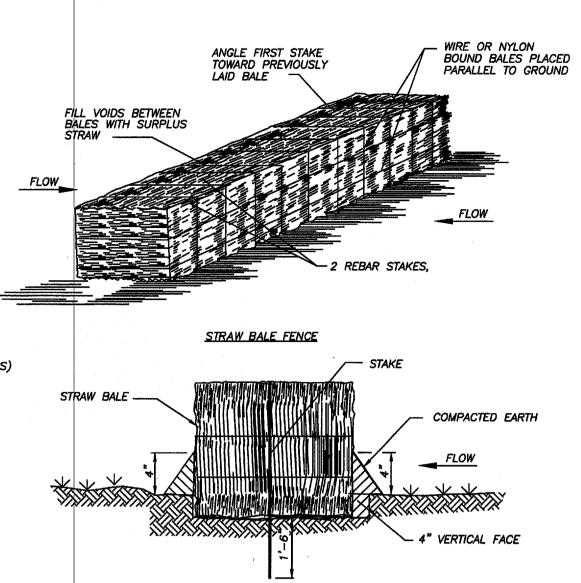




TYPICALLY STRAW BALES ARE NOT RECOMMENDED FOR INLET PROTECTION BARRIERS.

INLET PROTECTION BARRIERS

FOR STAGE I INLETS

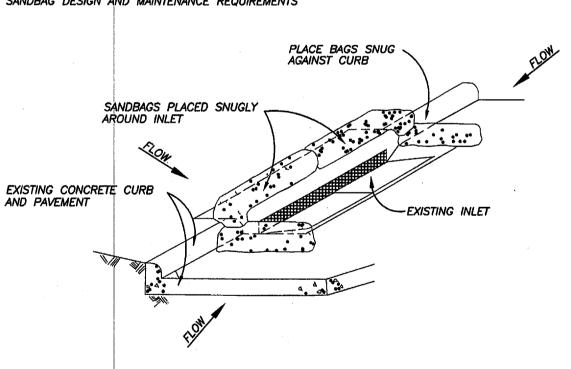


GENERAL NOTES:

- 1. LIMIT USE TO ONSITE SWALES FOR PURPOSES OF LOW FLOW VELOCITY DISSIPATION FOR EROSION CONTROL. USE STRAW BALE FENCES TO TREAT OVERLAND FLOW ONLY. DO NOT USE STRAW BALE FENCES TO TREAT FLOW IN CHANNELS.
- PLACE BALES IN A ROW WITH ENDS TIGHTLY ABUTTING ADJACENT BALES. FILL THE VOIDS BETWEEN BALES WITH SURPLUS STRAW. PLACE BALES WITH BINDING PARALLEL TO GROUND SURFACE.
- 3. IMBED EACH BALE AT LEAST 4 INCHES IN THE SOIL.
- 4. SECURELY ANCHOR BALES IN PLACE BY REBAR STAKES. DRIVE STAKES THROUGH THE BALES AND AT LEAST 18 INCHES INTO THE GROUND. ANGLE THE STAKE IN EACH BALE TOWARD THE PREVIOUS BALE TO FORCE THE BALES TOGETHER.
- 5. BIND BALES WITH WIRE OR NYLON ROPE TIED ACROSS THE STRAW BALES.
- 6. REPLACE WITH NEW STRAW BALE FENCE EVERY TWO MONTHS.
- 7. WATTLES STAKED INTO THE GROUND ARE A PREFERRED SUBSTITUTE FOR STRAW BALE FENCES.

STRAW BALE FENCE

SEE CONSTRUCTION HANDBOOK SECTION 4.3.4 FOR SANDBAG DESIGN AND MAINTENANCE REQUIREMENTS

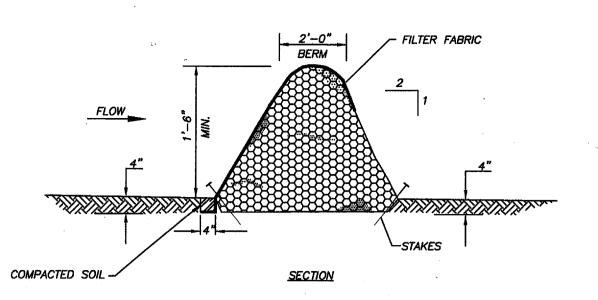


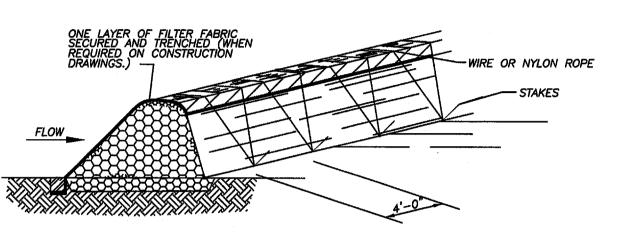
GENERAL NOTES:

- 1. BAGS OR WATTLES CAN BE USED FOR THIS APPLICATION.
- 2. PROVIDE WOVEN OR UNWOVEN GEOTEXTILE FILTER FABRIC FOR BAGS.
- 3. PROVIDE COARSE SAND AND AGGREGATE MIX FOR FILL MATERIAL FOR BAGS. USE ONLY PARTICLES CONSISTING OF CLEAN, HARD, DURABLE MATERIALS FREE FROM ADHERENT COATINGS, SALT, ALKALI, DIRT, CLAY, LOAM, SHALE, SOFT OR FLAKY MATERIALS, OR ORGANIC AND INJURIOUS MATTER.
- 4. REMOVE SEDIMENT DEPOSIT WHEN THE SEDIMENT HAS ACCUMULATED TO ONE—THIRD THE HEIGHT OF THE BARRIER.

INLET PROTECTION BARRIERS FOR

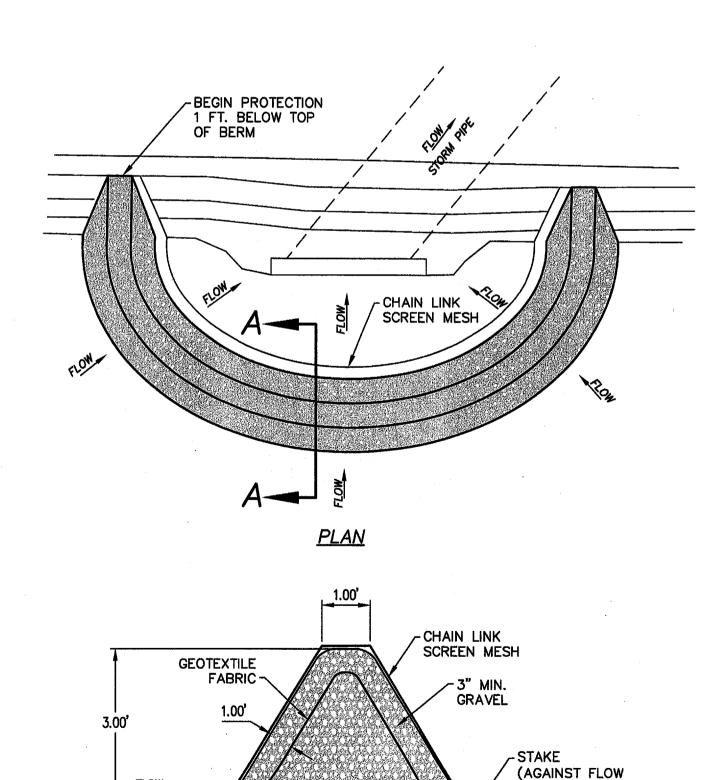
STAGE II INLETS





GENERAL NOTES:

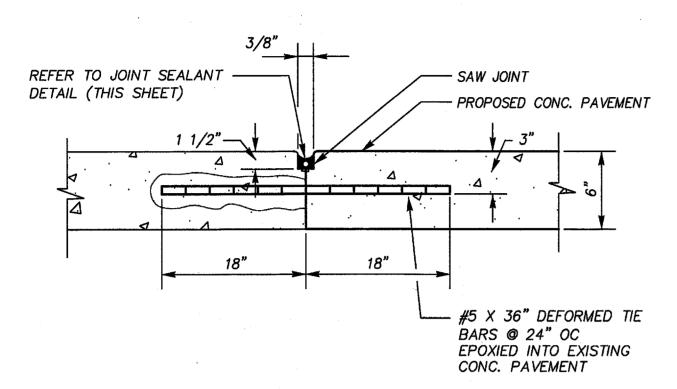
- 1. LIMIT USE TO ONSITE SWALES FOR PURPOSES OF LOW FLOW VELOCITY DISSIPATION FOR EROSION CONTROL. USE BRUSH BERMS TO TREAT OVERLAND FLOW ONLY. DO NOT USE BRUSH BERMS TO TREAT FLOW IN CHANNELS.
- 2. PLACE WOODY BRUSH AND BRANCHES HAVING A DIAMETER OF LESS THAN 2 INCHES WITH A 6-INCH OVERLAP. AVOID INCORPORATION OF ANNUAL WEEDS AND SOIL INTO
- 3. MINIMUM HEIGHT OF THE BRUSH BERM IS 18 INCHES, MEASURED FROM THE TOP OF THE EXISTING GROUND AT THE UPSLOPE TOE TO THE TOP OF THE BERM.
- 4. HAND PLACE BRUSH BERMS ALONG CONTOUR LINES. MACHINE PLACEMENT OF BRUSH BERMS IS NOT PERMITTED.
- 5. IMBED BRUSH BERM AT LEAST 4 INCHES INTO THE SOIL.
- ANCHOR BRUSH BERMS USING WIRE OR NYLON ROPE ACROSS THE BERM WITH A 6. MINIMUM TENSION OF 50 POUNDS.
- 7. SECURELY TIE ROPE TO 18—INCH REBAR STAKES DRIVEN INTO THE GROUND ON 4—FOOT CENTERS ON BOTH SIDES OF THE BERM.
- 8. PERFORM MAINTENANCE AS NEEDED.



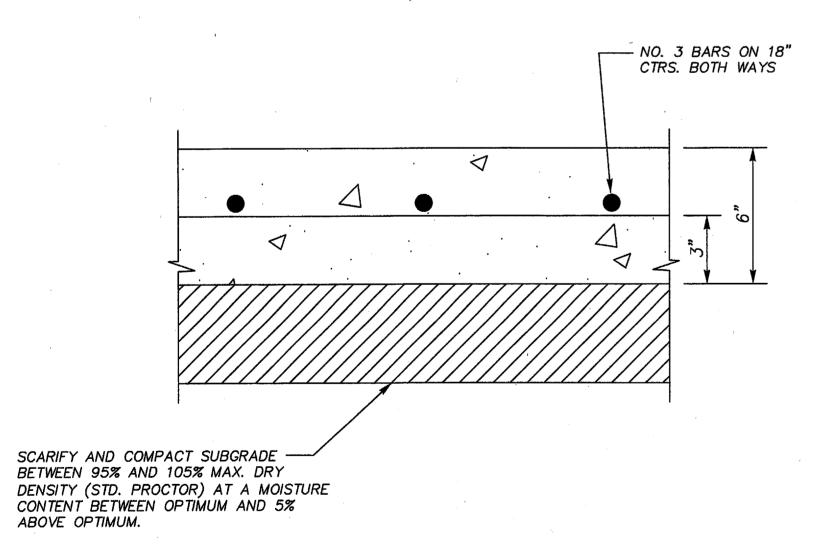


SECTION A-A

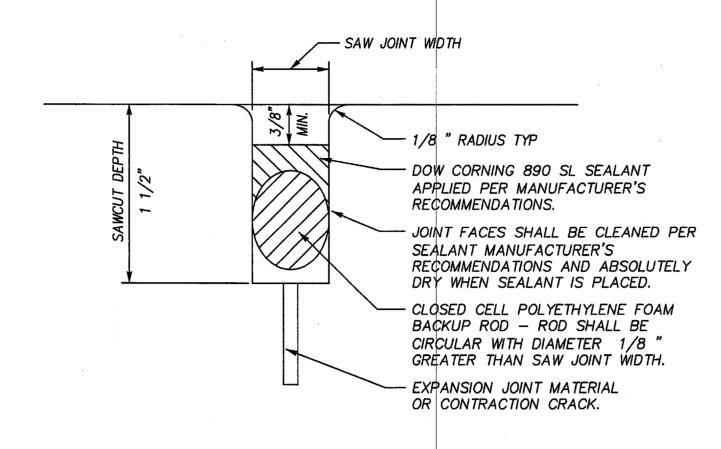
AS SHOWN)



EXISTING TO NEW
PAVEMENT CONNECTION
DETAIL
NTS



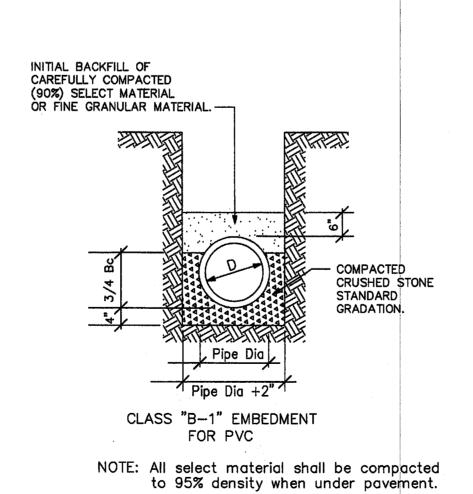
PAVEMENT SECTION



DETAIL NOTES:

1. WHEN PLACING SEALANT IN EXPANSION JOINT, POLYETHYLENE BOND BREAKER TAPE SHALL BE ON TOP OF THE PREMOLDED EXPANSION JOINT IN LIEU OF BACKUP ROD.

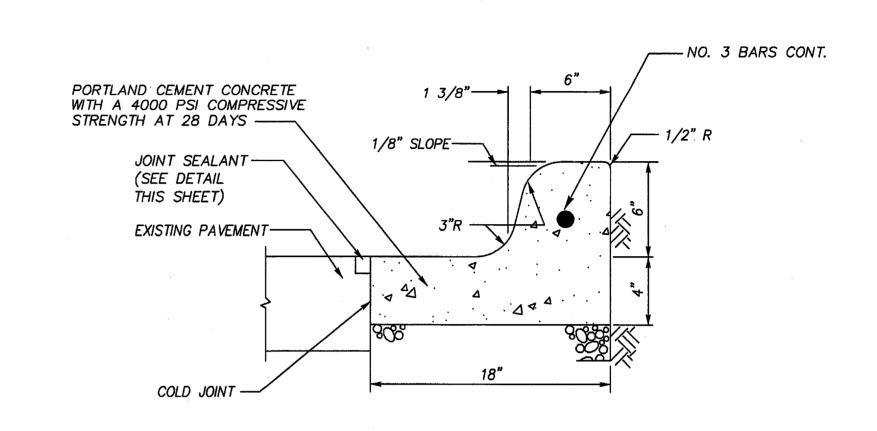
JOINT SEALANT
DETAIL
NTS



to 30% density when ander pavement.

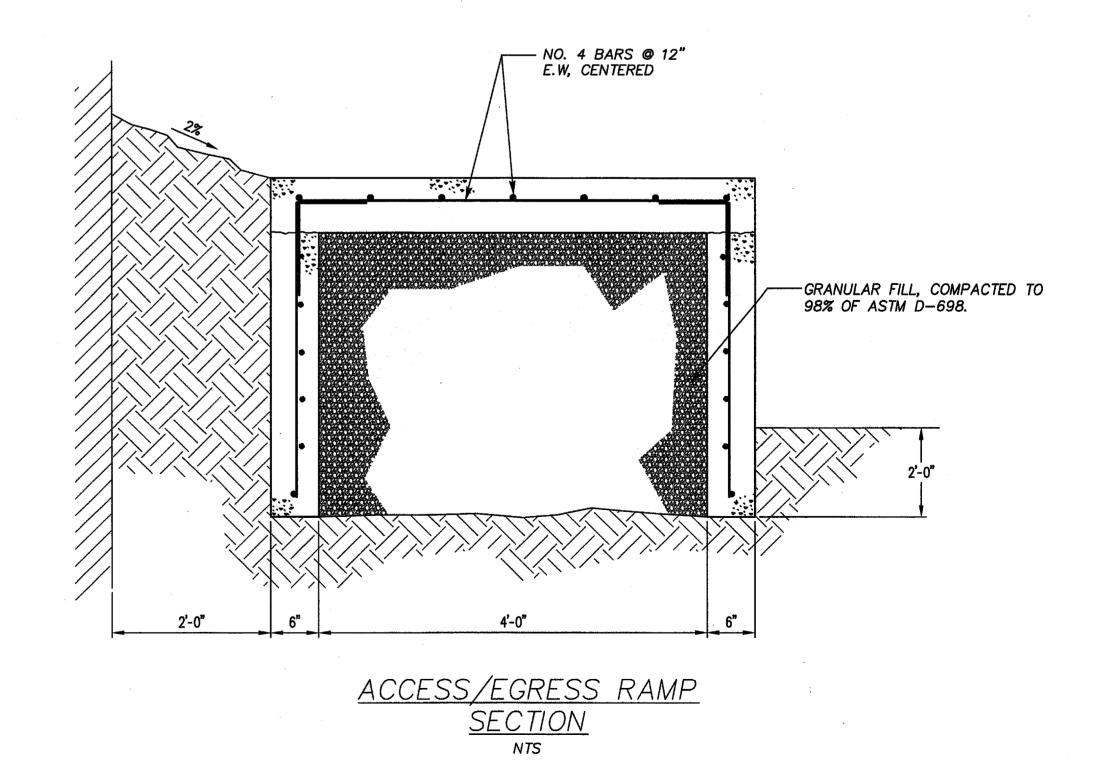
SEWER EMBEDMENT DETAILS

NOT TO SCALE



STANDARD CURB DETAIL

NTS



SNOISIAE

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PAVING & MISCELLANEOUS
DETAILS
NJ MALIN ADDITION

DESIGN BY:

MGF

SHEET NO.

SHEET ID:

SHEET ID:

NAME

SHEET ID:

SHEET ID:

NAME

SHEET ID:

SHEE

C-S